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Application of simulation modeling to improve management of technological processes during production of automotive components

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Abstract

© 2016 Czech Technical University in Prague. Improvement of technological processes management is one of the directions for production systems optimization. A practical methodology for improvement of production process of automotive components is presented herein. The methodology is based upon decision support system that permits for management of technological transport while changing the production and logistics system's parameters. The proposed simulation model is a tool for intellectualization of the decision making process. To test the adequacy of the proposed solution, the example of using the developed model for the enterprises that produce automotive components is given.

Keywords

assembly line, automotive components manufacturing, production logistics, simulation modeling, technological transport

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